

INDEX TO VOLUME VII

| | |
|---|-----|
| Bailey, W. N. Series of hypergeometric type which are infinite in both directions | 105 |
| Cartwright, M. L. On certain integral functions of order one | 46 |
| Chaundy, T. W. Hypergeometric partial differential equations (II) | 306 |
| — and Phillips, Eric. The convergence of sequences defined by quadratic recurrence-formulae | 74 |
| Chowla, S. and Pillai, S. S. The number of representations of a number as a sum of n non-negative n th powers | 56 |
| Dixon, A. L. On skew polygons whose sides are, alternately, generators of two quadric surfaces | 60 |
| — and Ferrar, W. L. A class of discontinuous integrals | 81 |
| Erdős, P. On the integers which are the totient of a product of three primes | 16 |
| — On the integers which are the totient of a product of two primes | 227 |
| Fabian, W. Expansions by the fractional calculus | 252 |
| Ferrar, W. L. See Dixon, A. L. | |
| Garside, F. A. The theory of Rowland's concave grating | 158 |
| Gillis, J. Some combinatorial properties of measurable sets | 191 |
| Hall, P. The Eulerian functions of a group | 134 |
| Haslam-Jones, U. S. Tangential properties of a plane set of points | 116 |
| — The discontinuities of an arbitrary function of two variables | 184 |
| Haviland, E. K. On an asymptotic expression for a certain integral | 152 |
| Hirschfeld, H. O. Continuation of differentiable functions through the plane | 1 |
| Hodgkinson, J. The transversality of electromagnetic waves | 161 |
| — Note on a theorem of Helmholtz | 300 |
| Hoffmann, B. A generalization of the Kaluza-Klein field theory | 20 |
| — A generalization of the Einstein-Mayer field theory | 32 |
| Iyer, V. G. On the Lebesgue class of integral functions along straight lines issuing from the origin | 294 |
| Knight, R. C. The potential of a sphere inside an infinite circular cylinder | 124 |
| Kosambi, D. D. Path-spaces of higher order | 97 |
| — Path-geometry and cosmogony | 290 |
| Ledermann, W. The automorphic transformations of a singular matrix pencil | 277 |
| Littlewood, J. E. On the Fourier coefficients of functions of bounded variation | 219 |
| Phillips, Eric. See Chaundy, T. W. | |
| Pillai, S. S. See Chowla, S. | |
| Pidduck, F. B. Electrical Notes: | |
| VI. Energy distribution of electrons in a gas | 199 |
| VII. Space charges in a magnetic field | 201 |
| VIII. Oscillations with a single-anode magnetron | 210 |
| IX. Oscillations with a split-anode magnetron | 241 |
| Richardson, A. R. Conjugate matrices | 256 |

| | |
|---|-----|
| Synge, J. L. On the connectivity of spaces of positive curvature . | 316 |
| Todd, J. A. On a quartic primal with forty-five nodes, in space of four dimensions | 168 |
| Watson, G. N. Ramanujan's integrals and Gauss's sums | 175 |
| Whitrow, G. J. Photons, energy, and red-shifts in the spectra of nebulae | 271 |
| Wintner, A. On solutions of zero energy in certain dynamical problems | 214 |
| Wright, E. M. On Tarry's problem (II) | 43 |
| — The representation of a number as a sum of four 'almost proportional' squares | 230 |

